

## ABSTRACT OF THE DISCLOSURE

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The first present invention provides a circuit for processing  
5 charge detecting signal transferred to a floating diffusion amplifier from a  
charge coupled device. The circuit comprises : a first node connected to the  
floating diffusion amplifier ; a first enhancement type field effect transistor  
being connected in series between a first fixed-voltage supply line for  
supplying a first fixed voltage and an output terminal, and the first  
10 enhancement type field effect transistor having a first gate connected to the  
first node ; and a second enhancement type field effect transistor being  
connected in series between a second fixed-voltage supply line for  
supplying a second fixed voltage and the output terminal, wherein the  
second enhancement type field effect transistor has a second gate supplied  
15 with a third fixed voltage which is different in potential from the second  
fixed voltage.